

Supporting information for

## Flexible and Transparent Graphene Complementary Logic Gates

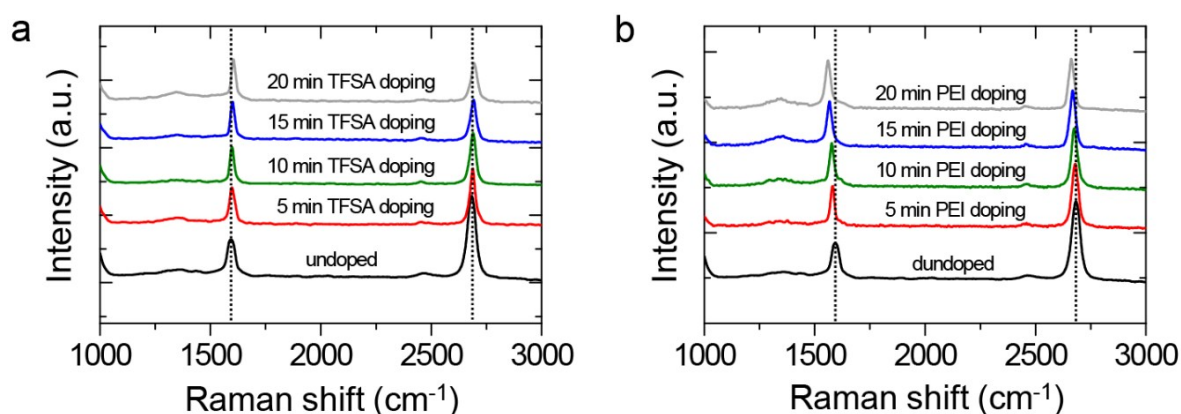
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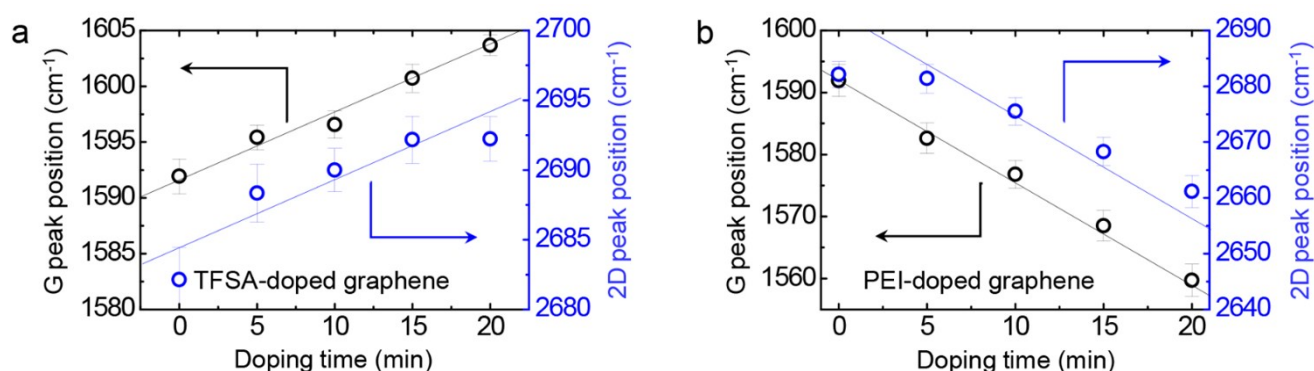
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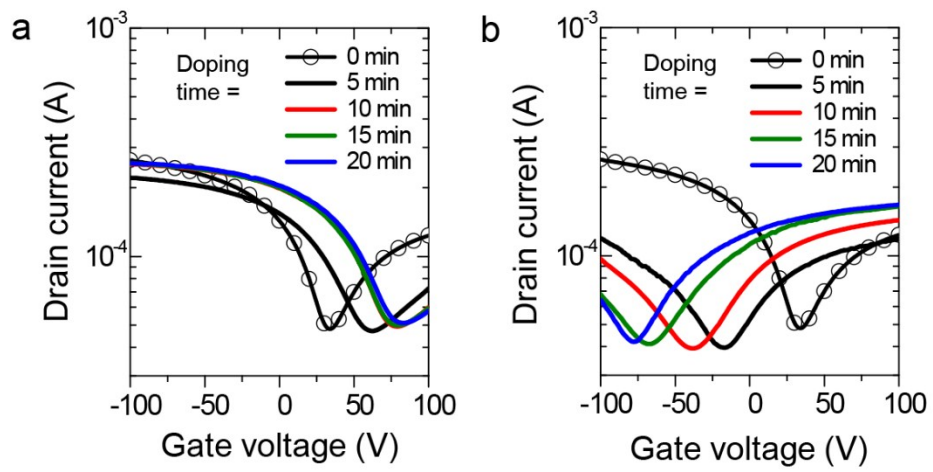
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**Figure S1.** Raman spectra of graphene layer doped with (a) TFSA and (b) PEI for various doping times.



**Figure S2.** Variation of G and 2D band peak positions of graphene layer doped with (a) TFSA and (b) PEI for various doping times.



**Figure S3.** Transfer characteristics of the SiO<sub>2</sub>-gated graphene transistor based on the graphene channel doped with (a) TFSA and (b) PEI for various doping times.